

Abstraction

In order to solve the wireless device's limited storage problem, the wireless device can use the storage of a server as their external storage. To effectively let the storage server providing external storage (file system) for wireless device, the storage of a server need to be partitioned into multiple small storage volumes, which also need to be exported to each specific wireless device. With the supporting of console support software module of the server, the user from web-browser of a wireless device can manage the assigned external storage volume on a server such as create delete directory/folder, move, copy, delete, rename files etc.. The data on the wireless device can be stored into this external storage. The user from the web-browser also can perform download data from a remote web-site to his/her assigned private external storage on a server. In addition, if a web-browser of wireless device support the embedded video or music, the user from the web-browser of a wireless device can access and play the multimedia data, which stored on external storage of the wireless device. Finally, to support huge number of wireless devices with external storage, the CCDSVM infrastructure can be deployed. The larger number of server units controlled by a central control station can provide huge amount of storage volumes for huge amount of wireless devices.